

Director of Transmission and Renewable Technology

Obsidian Renewables, LLC, a Northwest leader in renewable energy development, is seeking a candidate with a strong power transmission and engineering background to act as the lead technology contributor for Obsidian's renewable energy projects. Along with providing technical engineering support of Obsidian's established solar development arm, the position leads technical aspects of Obsidian's new leadership in clean hydrogen development.

Obsidian is a company with a small number of highly motivated, self-driven professionals. We punch way above our weight in developing renewable energy projects. Obsidian expanded its focus to include green hydrogen in 2019 and is developing a comprehensive hydrogen business plan, including development of industrial parks and an interconnected system of renewable hydrogen producers and end users.

Position Description

The position will have responsibility for generation interconnection, off taker strategies, and power transmission development. The successful applicant will implement these strategies by handling all aspects of generation interconnection and transmission activity. This will include working with the Bonneville Power Administration, Pacific Power, and other regional utilities.

This position will lead the technical aspects of Obsidian's hydrogen development concepts, including understanding the basic engineering aspects of electrolytic hydrogen production, balance of plant design components, power production from hydrogen-fueled power plants (turbines, reciprocating engines, and fuel cells), hydrogen handling, and safety. The successful applicant will research and advise on hydrogen storage and transportation engineering questions as they arise. This position will support technical aspects of solar and energy storage development.

Key Responsibilities

- Identify and assess interconnection and transmission opportunities.
- Assist in evaluation of potential project sites based on interconnection queue evaluation, power delivery options, and physical transmission access.
- Manage the interconnection process for Obsidian projects, from assessment of interconnection options, filing of necessary applications, evaluation of utility technical studies, and negotiation of interconnection agreements.

- Manage all technical issues for renewable energy and electrolytic hydrogen proposals/projects.
- Work with colleagues to ensure a comprehensive hydrogen strategy that comports with engineering feasibility.
- Review project finance models to ensure engineering features and costs are appropriately reflected.
- Assess alternative hydrogen generation methods such as electrolysis, biogas steam methane reforming, etc.
- Assess renewable and storage technologies.
- Support solar and storage design development with EPC partners.
- Grant and other funding application technical support.

Educational Requirements

Bachelor's or Master's degree in engineering is required.

Additional Requirements

- Renewable energy experience
- Knowledge of the Pacific Northwest transmission system service and interconnection processes, including a knowledge of BPA's business practices regarding transmission.
- 10 years' experience as a working engineer, preferably including energy generation or transmission
- A good basic understanding of financial modeling and return on investment calculations
- A keen business sense beyond engineering and a sense of urgency in completing a job.
- Excellent oral and written communication skills
- Must be proficient in typical software applications, including Excel, Word, and PowerPoint.

Benefits

Eligible for medical, dental, vision, 401(k), bonus, paid time off, etc.

Location and Commitment to Diversity

The position is located in Lake Oswego, Oregon. Obsidian is a dedicated equal employment opportunity employer that considers all applicants without regard to race, religion, gender, gender identification, and other non-merit factors.

Application Details

Send cover letter and resume to info@obsidianrenewables.com. Applications delivered by 5 pm Pacific Time February 1, 2022 will receive consideration.